

30 April 1959

Conference Report - Subminiature Tape Recorder, CB-7

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1. On 16 April 1959 in Room 1609, [REDACTED] a conference was held with representatives of the [REDACTED] New Haven, Connecticut. The primary purpose of this meeting was to witness a demonstration of a breadboard model of the CB-7 recorder. Those present were:

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$\frac{d}{dt} \left( \frac{1}{\rho} \right) = - \frac{1}{\rho^2} \frac{d\rho}{dt}$

[illegible]

C-E/R+D-EP  
 - GC-E/R+D (Part-time)  
 GC-E/R+D-EP (Part-time)  
 /EA (Part-time)  
 GC-E/R+D-EP (Part-time)

2. The demonstration of the operation of the CB-7 recorder was encouraging since this has been the only unit during this development that has shown promise of a reliable operation. See attached [redacted] report on the progress of this task for background information.

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3. The CB-7 breadboard model was turned over to OC-SPS for evaluation to determine the operating characteristics that can be expected. This test data should provide pertinent information for future models and the possibilities of incorporating refinements to meet the new specifications presented by OC-SPS. These are:

Maximum Size:	2 x 3 x 3/4 inches
Recording Capacity:	Not less than 10 minutes
Number of Tracks:	Two recording tracks
Frequency Response:	50 to 4000 cps
Flutter and Wow:	Not to exceed 1% RMS
Recording Tape Speed:	1-7/8 or 3-3/4 ips
Rewind Capability:	If possible
Self Playback:	If possible
Separate Playback:	Required
Microphone:	Self-contained

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The above specifications have been discussed with [REDACTED] representatives, with their new design and the increased size specification they do not contemplate any trouble in meeting this requirement.

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4. Completion of testing <sup>SN</sup> of the CB-7 is expected by mid-May. In addition the [REDACTED] is sponsoring the development of a subminiature recorder which OC-SPS has been monitoring. An attempt is being made to obtain additional information and possibly a working model of the unit by mid-May. At this time recommendations will be made as to the future course of action to be taken on this project.

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Attachment:

SoundSubscriber Report on Task 1 - Subminiature Recorder

Distribution:

R&D Subject File

Monthly Report

R&D Lab

SPS/EA

EP Chrono

OC-E/R&D-EP/RFH:brc (30 April 1959)

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